



2001 Toxics Release Inventory

SOUTH DAKOTA

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	13,450,214
Air Emissions	1,799,135
Surface Water Discharges	2,413,621
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	704,700
On-site Land Releases to RCRA Subtitle C Landfills	12,380
Other On-site Land Releases	8,520,378
Off-site Releases (Transfers Off-site to Disposal)*	77,038
Total On- and Off-site Releases	13,527,252
Recycled On-site	409,644
Recycled Off-site	1,303,774
Energy Recovery On-site	447,276
Energy Recovery Off-site	264,391
Treated On-site	7,213,388
Treated Off-site**	237,900
Quantity Released On- and Off-site***	13,419,785
Total Production-related Waste Managed	23,296,158
Non-production-related Waste Managed	107,756
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	1,297,529
Energy Recovery	183,242
Treatment	180,704
Publicly Owned Treatment Works (POTWs)	78,711
Metals and Metal Category Compounds*	685
Non-metal TRI Chemicals**	78,026
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	76,605
Total Transfers Off-site for Further Waste Management, including Disposal	1,816,790

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

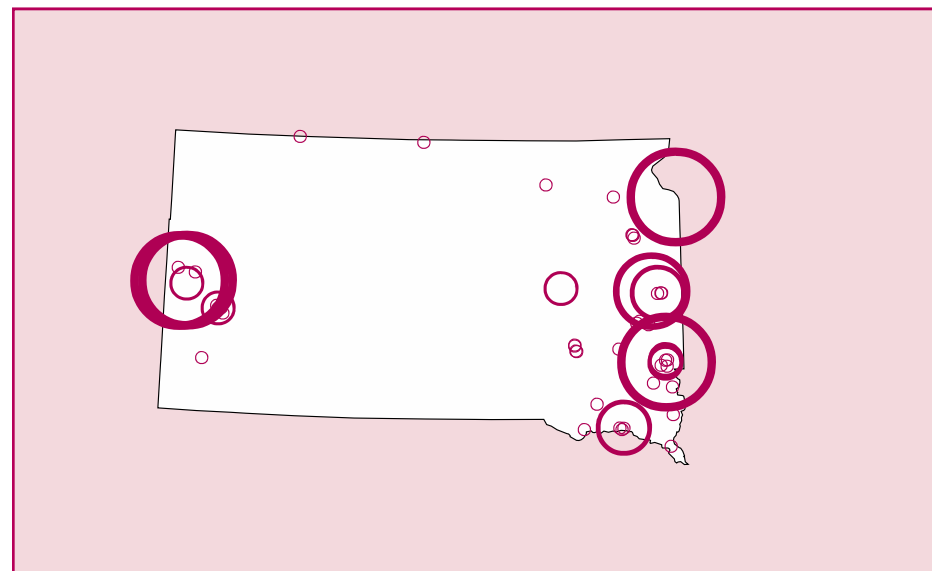
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To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of South Dakota. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	758,324
Square Miles	75,896
Total Facilities	91
Total Forms	222
Form As	35

	Total
National Rank for Total On- and Off-site Releases*	
Rank	43
Pounds	13,527,252
National Rank for Total On-site Releases**	
Rank	43
Pounds	13,450,214
National Rank for Total Releases within State***	
Rank	43
Pounds	13,526,614
National Rank for Production-related Waste Managed	
Rank	50
Pounds	23,296,158

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	1,476	626	8,700	2,974,767	821	2,986,389	0	306	515
—	Nitrate compounds	0	2,403,647	0	308,759	64	2,712,470	0	59	5
—	Arsenic compounds	10	439	696,000	1,900,000	0	2,596,449	0	0	0
—	Zinc compounds	5,041	0	0	2,100,000	32,085	2,137,126	0	31,335	750
—	Barium compounds	3,053	46	0	790,000	0	793,099	0	0	0

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	1,475.80	626.00	8,700.00	2,974,766.50	821.15	2,986,389.45	0.00	306.00	515.15
7439-92-1	Lead	110.55	5.61	0.00	11,937.00	551.31	12,604.47	383.00	36.31	515.00
—	Polycyclic aromatic compounds	8.05	0.90	0.00	0.00	492.50	501.45	0.00	492.50	0.00
—	Mercury compounds	200.40	0.00	0.00	40.00	0.00	240.40	0.00	0.00	0.00
7439-97-6	Mercury	29.02	0.02	0.00	6.60	0.00	35.64	0.00	0.00	0.00
191-24-2	Benzo(g,h,i)perylene	0.10	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.00	0.01	0.00	0.00	0.06	0.07	0.00	0.06	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>0.304</i>	<i>3.801</i>	<i>0.000</i>	<i>0.000</i>	<i>28.975</i>	<i>33.080</i>	<i>0.000</i>	<i>28.975</i>	<i>0.000</i>
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
118-74-1	Hexachlorobenzene	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Wharf Resources (U.S.A.) Inc., Lead, Lawrence	33,435	16,260	0	0	0	3,366,000	3,415,695	0	5
Otter Tail Power Co. Big Stone Plant, Big Stone City, Grant	176,388	0	0	0	0	3,063,038	3,239,426	0	0
Homestake Mine, Lead, Lawrence	63,012	211,075	0	704,700	0	1,933,420	2,912,207	0	0
John Morrell & Co., Sioux Falls, Minnehaha	67,111	2,184,875	0	0	0	1,826	2,253,812	29,322	0
South Dakota Soybean Processors, Volga, Brookings	587,246	0	0	0	0	0	587,246	0	0
3M Brookings, Brookings, Brookings	211,507	0	0	0	0	0	211,507	0	1
Alcoa Extrusions Inc., Yankton, Yankton	155,080	0	0	0	0	0	155,080	25	0
U.S. EPA Fund-Lead Superfund Site/Gilt Edge Mine, Deadwood, Lawrence	5,900	1,340	0	0	0	88,000	95,240	0	0
Alamo SMC, Sioux Falls, Minnehaha	83,089	0	0	0	0	0	83,089	0	0
GCC Dacotah, Rapid City, Pennington	6,831	0	0	0	0	67,826	74,657	0	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Wharf Resources (U.S.A.) Inc., Lead, Lawrence	1,230.00	0.00	0.00	0.00	0.00	2,932,650.00	2,933,880.00	0.00	0.00
Homestake Mine, Lead, Lawrence	2.00	2.00	0.00	8,700.00	0.00	31,800.00	40,504.00	0.00	0.00
GCC Dacotah, Rapid City, Pennington	81.30	0.00	0.00	0.00	0.00	11,943.60	12,024.90	0.00	0.00
Otter Tail Power Co. Big Stone Plant, Big Stone City, Grant	329.30	0.00	0.00	0.00	0.00	10,038.00	10,367.30	0.00	0.00
John Morrell & Co., Sioux Falls, Minnehaha	8.10	624.00	0.00	0.00	0.00	49.50	681.60	0.00	40.00
Pete Lien & Sons Inc., Rapid City, Pennington	0.60	0.00	0.00	0.00	0.00	147.00	147.60	0.00	0.00
U.S. Natl. Park Service Wind Cave Natl. Park, Hot Springs, Fall River	0.00	0.00	0.00	0.00	0.00	122.00	122.00	0.00	0.00
Daktronics Inc., Brookings, Brookings	98.00	0.00	0.00	0.00	0.00	0.00	98.00	0.00	0.00
Black Hills Corp. Ben French Power Plant, Rapid City, Pennington	30.39	4.63	0.00	0.00	0.00	0.00	35.02	0.00	0.00
Sanmina-SCI Corp., Rapid City, Pennington	20.00	1.00	0.00	0.00	0.00	0.00	21.00	0.00	5.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Wharf Resources (U.S.A.) Inc., Lead, Lawrence	0	69,300	0	0	1,998,000	3	3,415,314	5,482,617	0
Otter Tail Power Co. Big Stone Plant, Big Stone City, Grant	0	0	0	0	526,000	0	3,235,243	3,761,243	0
Homestake Mine, Lead, Lawrence	0	6	0	0	3,127,500	0	2,913,854	6,041,360	11,385
John Morrell & Co., Sioux Falls, Minnehaha	0	0	0	0	220,784	2,798	2,283,129	2,506,711	0
South Dakota Soybean Processors, Volga, Brookings	0	0	0	0	0	0	587,246	587,246	0
3M Brookings, Brookings, Brookings	0	0	447,276	1,101	154,981	157,435	211,508	972,301	0
Alcoa Extrusions Inc., Yankton, Yankton	0	4,500	0	236,275	503,650	0	153,520	897,945	0
Alamo SMC, Sioux Falls, Minnehaha	0	0	0	0	0	150	83,089	83,239	0
GCC Dacotah, Rapid City, Pennington	0	0	0	0	0	0	74,200	74,200	0
Sioux Steel Co., Sioux Falls, Minnehaha	540	0	0	0	0	0	54,069	54,609	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Wharf Resources (U.S.A.) Inc., Lead, Lawrence	0.00	0.00	0.00	0.00	0.00	0.00	2,933,880.00	2,933,880.00	0.00
Homestake Mine, Lead, Lawrence	0.00	0.00	0.00	0.00	0.00	0.00	39,800.00	39,800.00	712.00
GCC Dacotah, Rapid City, Pennington	0.00	0.00	0.00	0.00	0.00	0.00	12,025.00	12,025.00	0.00
Otter Tail Power Co. Big Stone Plant, Big Stone City, Grant	0.00	0.00	0.00	0.00	0.00	0.00	10,243.00	10,243.00	0.00
Electronic Sys. Inc., Sioux Falls, Minnehaha	0.00	1,277.00	0.00	0.00	0.00	0.00	1,279.00	2,556.00	0.00
Star Circuits Inc., Brookings, Brookings	20.00	3,728.00	0.00	0.00	0.00	0.00	1,060.00	4,808.00	0.00
John Morrell & Co., Sioux Falls, Minnehaha	0.00	0.00	0.00	0.00	0.00	0.00	722.00	722.00	0.00
Wheeler Lumber L.L.C., Whitewood, Lawrence	0.00	0.00	0.00	0.00	0.00	1,170.00	496.00	1,666.00	0.00
Pope & Talbot Spearfish, Spearfish, Lawrence	0.00	0.00	0.00	0.00	0.00	0.00	488.00	488.00	0.00
Terex Telelect Inc. FGI Div., Watertown, Codington	0.00	201.00	0.00	0.00	0.00	0.00	212.00	412.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.